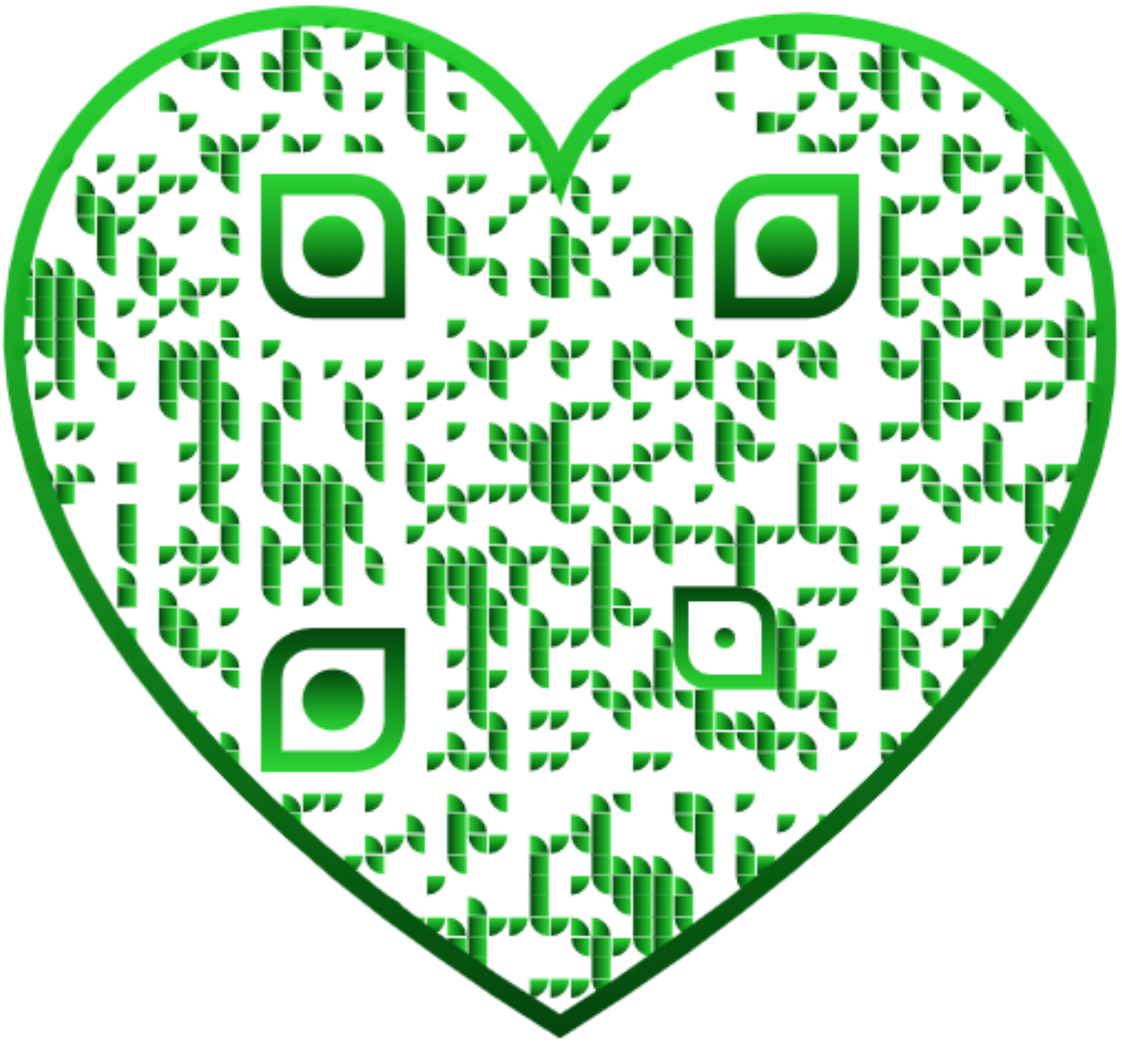
NB- All expected answer were **BOLDED,** if not refer based on question

1. You are working in bedside patient clerks and your supervisor asks questions at the bed side. You broths the answer through internet. What is the best way of responding to your teacher?
   A. Face to face written
   **B. Face to face oral**
   C.
2. Which of the following is true when phenobarbital and warfarin is used together?
   A. Increase warfarin toxicity
   B. Decrease phenobarbital toxicity
   **C. Decrease warfarin toxicity, decrease bleeding**
   D. Increase phenobarbital toxicity
3. For which of pharmaceuticals FEFO is strictly used?
   A. Contraceptive
   **B. Vaccines**
   C. Antibiotics
   D. Medical equipments
4. You are working in the drug manufacturing company and prepares drugs of having trace metals and air sensitive formulation. Which of the following excipient(s) are used to formulate this drugs?
   A. Chelating agent and preservative
   **B. Chelating agent and anti-oxidant**
   C. Chelating agent
   D. Preservative
5. According to the biopharmaceutical classification system (BCS), drug substances having high solubility and low permeability is
   A. Class-A
   B. Class-B
   **C. Class-C**
   D. Class-D
6. Which of the following drug is no refillable schedule-II
   A. Phenobarbital
   B. Lorazipam
   **C. Methamphetamine**
   D. Chlodiazipoxide



7. A client comes at the community pharmacy to buy diclofenac tab for his repeated pain reliever. But the pharmacy refuses the patient to take Paracetamol. Again the patient asks the pharmacy to sell diclofenac and the pharmacy refuses again and sell Paracetamol. Which patient rights are breached

   A. Dignity
   C. Virtue
   B. Respect
   **D. Autonomy**

8. When to give ASA for ischemic heart disease patients

   A. Within 24 hours of disease onset
   **B. Within 48 hours of disease onset**
   C. Within 72 hours of disease onset
   D. Within 3 hours of disease onset

9. If average monthly consumption of the drug X is 300units and lead time 2month calculate safety stock?

   **(ANS; SS=CA*LT=300*2=600UNITS)**

10. A company wants to register the dug manufactured. What is the period product submission for registration to the drug quality control (e.g. EFMHACA)

    A. 120days
    C. 30days
    B. 150days
    D. 180days

11. If the drug registration period of submission was past. When is the minimum period for reregistration?

    A. 30days
    C. 120days
    B. 15days
    D. 60days

12. Which is referred first and best method to find information

    **A. Textbook**
    C. indexing
    B. clinical studies
    D. abstracting service

13. when to get ADR response after reporting --------)

14. Mr. Abebe takes phenelezin for his depression. Which of the following food is not used together?

    **A. Cheese**
    C. Tea
    B. Coffee
    D. Banana

15. Master document file

16. A quality control company wants to inspect the manufacturing quality of the drug manufacturer. What the inspector inspects?

    A. Good laboratory practice
    B. Good dispensing practice
    **C. Good manufacturing practice**
    D. Good procurement practice

17. A physician prescribes AZT+D4T+NVP? Which drug interacts each other? **(AZT with D4T)**

18. A physician wants to prescribe for a 37 year patient prophylaxis drugs to opportunistic infections for HIV/AIDS patients. Which of the following drug is prescribed.

    ✓ **ANS=cotrimoxazole 960mg QD**

19. The most common OI in HIV/AIDS patients

    ✓ **ANS=PCP**

20. A patient treated with anticancer drugs ABVD) develops rash, which is the responsible drug for this?

21. A patient takes Enalaprile, hydrochlorothiazide and nifidipine. After a few day the patient develops hyperkalemia. What is the responsible drug? **(Enalaprile)**

22. A physician prescribes TDF+3TC+EFV, when the patient takes EFV what types of food should not take

    ✓ ANS=**fatty meal**

23. A physician prescribe a drug for a 3year child, if the adult dose of a dug is 600mg, calculate the dose of the drug to the child by using young`s rule?

    ✓ **Ans (child dose=adult dose*age (year/12+age of child= 40mg)**

24. A nurse wants reusable medical supply for her routine activities. If she wants to request this supply to pharmacy which supply may be procured?

    A. Disposable syringe
    **C. Glass syringe**
    B. Absorbable cat gut
    D. Plaster

25. You were working as store man pharmacist and wants to procure NG tube due to stock. As a pharmacist what should be consider first?

    A. Thickness
    **C. Size**
    B. Cost
    D. Length

26. Ointment preparation procedure

27. A physician wants to prescribe a drug for a 30kg patient, if the usual dose of the drug is 50mg/kg. What is the dose of this drug?

    ✓ **ANS=50*30=150mg**

28. A patient comes to your hospital for medical checkup for his hypertension and gout who was in hydrochlorothiazide and prednisolone. Vital sign shows that BP 140/86 mmhg normal uric acid level and currently the physician diagnosis shows Cushing's syndrome, which of the following drugs should not be added to this patient?

    A. Enalaprile
    **C. Prednisolone**
    B. Furosemide
    D. Propranolol

29. A 33 year old patient comes to your hospital for his skin infection, the physician diagnosis HSV and prescribes ketoconazole 2% cream bid for 7days. After completion of therapy the patient were not relieve from the infection. What is the most likely problem of this condition?

    A. Dose
    C. Frequency
    **B. Indication**
    D. Duration

30. The patient develops moderate pain upon taking ibuprofen 400mg BID. What is the Drug therapy problem for this patient?

    ✓ **ANS=Needs additional drug therapy (see pain treatment ladder)**

31. Ophthalmic ointment packaging

    ✓ **ANS=collapsible plastic tube**

32. Narcotics and psychotropic drugs are stored in

33. ANS=locked cabinet

34. Narcotics and psychotropic drugs does not prescribed by

✓ **ANS=ordinary prescription**

35. A physician order diazepam 5mg po PRN. From the order which affects the treatment most?

A. Dose
**C. Frequency**
B. Route
D. Drug

36. During drug manufacturing a drug manufactured company conducts in process quality control and gets content uniformity differences with each formulation. How to correct this problem?

✓ **Proper filling**

37. A physician prescribes enteric coated tablet for the treatment of constipation. What is the drug?

A. Amoxicillin
C. Cloxacillin
**B. Bisacodyle**
D. Gentamycine

38. Which route of drug administration is most affected by first pass effect?

**A. Oral**
C. Vaginal
B. Rectal
D. SC

39. Which drug is best for the treatment emergency asthma?

A. Beclomethasone
**C. Albuterol**
B. Fluticasone
D. Prednisolone

40. A woman who takes combined oral contraceptive develops venous thrombo embolism. What is the responsible drug for VTE

✓ **ANS=estrogen**

41. A patient takes furosemide 40mg for his ascites but the patient does not relieve. Which drug is added next?

✓ **ANS=spironolactone 100mg**

42. A pharmacist wants to procure drugs by analyzing VEN. If there is no budget inadequacy which types of drugs are procured

**A. All vital**
C. Normal
B. Essential

43. FEFO and FIFO dispatching system
44. VEN/ABC analysis
45. The pharmacist wants to procure the most costy and most effective drug, before procure what the pharmacist do?
    - **A. Cost effectiveness analysis**
    - B. Cost benefit analysis
    - C. Cost utility analysis
    - D. ABC analysis
46. Cost benefit analysis
47. A patient takes a drug for heart frailer, a pharmacist wants to procure the drug for her what should he do?
    - ✓ **Select drugs that treat comorbid treatment like hypertension**
48. A pharmacist working in the health center wants to send report and requisition form (RRF) report to Woreda health office. Which is the date of submission to this report?
    - A. 1-3days
    - B. 1-5days
    - C. 1-10days
    - D. 1-15days
49. Benefits of generic drug procurement
50. Most common early Parkinson syndrome
51. Which is the major side effects of anticholinergic drug chlorpromazine
    - ✓ Dry mouth
52. A patient takes Enalaprile propranolol, thiazide diuretics and nifidipine develops Hyperurecimia. What is the responsible drug?
    - ✓ **ANS=thiazide diuretics**
53. Tensile strength in tablet formulation
54. What is the property of good suspension
55. Tablet weight variation causes
56. A pharmacist wants to prepare two incompatible active ingredients in one tablet. Which of the following methods are used for this preparation?
    - **A. Press coating**
    - B. Enteric coating
    - C. Sugar coating
    - D. Sustained release preparation

57. Which analytical method validation parameter is not affected by an increase in the small concentration of the measurement
    A. Linearity
    B. Range
    **C. Robustness**
    D. Detection limit
    E. Quantitation limit
58. Provides an indication of its reliability during normal usage
59. A pharmacist wants to prepare paste to his client. After preparation the pharmacist recommend the client to apply on the skin. During application the paste does not create cooling effect to the skin. What component is the paste lacks?
    ✓ ANS=humectant
60. A quality control department wants to inspect community pharmacies randomly beyond the inspection program. What types of inspection is done?
    A. Programmed inspection
    **B. Sudden inspection**
    C. Scheduled inspection
    D. Annual inspection
61. Which recording card should be kept in the drug shelf
    A. Stock card
    B. Ledger card
    C. Bincard
62. Morality
63. A pharmacist wants to keep drugs on the pallet. What is the appropriate storage of pallet?
    A. at least 20cm away from the wall
    B. at least 20cm away from the floor
    **C. at least 30cm away from the wall**
    D. at least 1meter from the floor
64. You are working in the port as a porting agent, upon receiving of the new drug you have got damaged and expired drugs. What should you do?
    ✓ **ANS=return to the supplies company**

65. The auditor wants to audit your pharmacy store, during auditing he has got discrepancies and recommends to you to reconcile this discrepancy, but you cannot reconcile. What is the problem (lacks )

    A. Double counting

    **B. Documentation**

66. Patient follow up

67. Beclomethasone + albuterol dispensing to the patient

    ✓ **ANS =wash the mouth after beclomethasone dosing**

68. A **fresh pharmacist** who is doing at the dispensary at the first time gets the prescription that is on read the first letter (D) and the last letter (L). What he does?

    A. Dispense Danavil

    B. Return to the prescriber

    **C. Recommend to other senior pharmacy**

    D. Reject

69. You are working as a pharmacy store manager in the hospital. When you have stock out in some drug. What should you do?

    ✓ **ANS= procurement list preparation**

70. During fluticasone dispensing to the patient what you recommend?

    ✓ **Respire deeply and slowly**

71. A fresh pharmacy were recruited at hospitals are always busy in registering the prescribed drug on the registration book. When the auditor wants to audit, he cannot get the **responsible** person that makes the error in the book. What is the problem?

    ✓ **ANS=Not signed his name and signature**

72. Newly introduced drugs in Ethiopia market

73. Which drug causes hypokalemia?

    A. Spironolactone

    **B. Thiazide diuretics**

    C. Triamterene

    D. Digoxin

74. Pharmacy cheats during inspection of community pharmacy breaches

    ✓ **ANS=the highest level of ethical standard**

75. A 65 patient comes to your hospital for medical treatment. The physician diagnosis GERD, which drug should be prescribed?

A. Cimetidine
C. Sodium bicarbonate
B. Ranitidine
**D. Pantoprazole**

76. A patient takes tricyclic antidepressant, amitriptyline and monoamine oxidase inhibitor together. What is the problem?

✓ **ANS=increase blood amine level**

77. A patient develops megaloblastic anemia secondary to folic acid and vitb12 deficiency. What is the treatment of this?

A. Give vitab12 only
B. Give folic acid first and continue vitb12
C. Give vitb12 first the folic acid
D. Give folic acid only

78. A patient takes antacid and doxycycline. Which of the following food should not be used?

**A. Dairy products**
C. Banana
B. Orange
D. Fruit

79. A patient prescribed to take antifungal drug for his topical nail infection for 3 months duration. The absorption of this drug is increase by fatty food. Which is the drug?

A. Ketoconazole
**C. grisofulvine**
B. Itraconazole
D. terbinafine

80. The drug of choice for wrinkle encephalopathy?

A. Revoflavin
**C. Thiamin**
B. Phyridoxin
D. Niacin

81. A patient who has PUD does not get relief by Paracetamol from his pain. Which of the following drug should be prescribed to him?

A. Diclofenac
C. Indomethacin
**B. Meloxicame**
D. Prednisolone

82. If a pregnant mother is infected with amebiasis, what is the physician's consideration before prescribing a drug?

✓ **ANS=determine the triminister**

83. Which methods of drug manufacturing is used when the drugs are moisture sensitive and sensitive with high temperature?
    A. Dry granulation
    B. Wet granulation
    **C. Pulverization**
84. A patient takes triple therapy (AMOX, clarth, and omeprazole) for his PUD and develops hive and breathing difficulties. What is the responsible drug?
    - ✓ **ANS=clarithromycin**
85. Child meningitis treatment, not responsive to ceftriaxone and penicillin-G
    - ✓ **ANS=Ampicillin +ceftriaxone**
86. A 3years child were poisoned from taking her mother's medication. Which types of label information may not be given for the mother?
    - ✓ **ANS=keep out of the reach of children**
87. The most popular information citation
    - ✓ **ANS=pubmed**
88. Pharmacovigilliance
89. A physician prescribes suppository to the patient. But the patient taking oral and return complaining of pain. Which label information may left?
    - ✓ **ANS=rectal use only**
90. A mother coming to your hospital complaining of pain and also her 6year child. The physician prescribes Amoxicillin for the child and ciprofloxacin for the mother. After completion of treatment the child b ecomes with developing joint pain. Which may be the reason?
    - ✓ **Ans=the mothers drug were exchanged to the child**
91. Which drug arrangement in pharmacy store is applicable when one pharmacy is both stock keeper and dispenser?
    - ✓ **Ans=pharmacotherapy**
92. A physician prescribes to a patient o/w emulsion oral for his constipation. After few day the patient returns to hospital completing of constipation. Which may be a problem
    - ✓ **Ans =the patient may not take after shaking of each dose**

93. If the patient develops nausea and vomiting after taking of a drug. What is the option to refrain from this?
    - ✓ **Ans=take after meal**

94. If the in quality control officer wants to test the quality of the bulk and finished product of a drug. If finished product quality control test is failed, what should he do?
    - ✓ **Ans=test the bulk**

95. A pharmacy store manager want to arrange tablets and capsules together and he prepare a place to store ointments, solutions and aerosols. What methods were used to arrange?
    - ✓ **Ans= Dosage form**

96. A pharmacist wants to receive pharmaceuticals supplied from the supplier and wants to **separate** before checking against the document. What is the process is called?
    - ✓ **Ans=quarantine**

97. Most common side effects of gentamicin + furosemide medication
    - ✓ **Ans=Liver toxicity**

98. A pregnant mother develops Hashimoto's thyroiditis with a normal T4 & T3. Which is the best treatment for this condition?
    - A. Levothyroxine
    - B. PTU
    - C. Iodine
    - **D. Levothyroxine**

99. Mechanism of controlling heparin action to control bleeding
    - A. PT
    - **B. aPTT**
    - C. INR
    - D. TT

100. A patient taking antipsychotics drugs (such as lithium, haloperidol) and amitriptyline develops goiter after few months. Which is the responsible drug for this goiter
    - ✓ **Ans=lithium**

101. A laboratory INR test shows for a patient taking warfarin for his coagulation problem is 12 and there is no any bleeding symptoms to the patient. What is the next option?
    - A. Discontinue warfarin and send to home
    - B. Continue warfarin at high dose
    - **C. Continue warfarin at low dose with INR monitoring**

102. A pharmaceutical analyst wants test a drug by measuring the absorbance of a drug by analytical instrument. Which of the following analytical instrument is used for this measurement

A. Dissolution tester
C. Disintegration tester
**B. UV spectrophotometers**
D. HPLC

103. A client comes to your hospital taking excess alcohol (ethanol) a physician gives methanol as reversing action. What is the mechanism of methanol for this

✓ **Ans= methanol blocks the toxic metabolites of ethanol**

104. Which of the following drug regimen is is preferred for pregnant woman with HIV hepatitis coo infection?

A. AZT+3TC+NVY
**C. TDF+3TC+EFV**
B. TDF+3TC+NVP
D. ABC+3TC+NVP

105. Which is the most important renal function test?

**A. Serum creatinine**
C. Creatinine
B. Albumin
D. BUN

106. Monthly consumption of X hospital for a single pharmaceutical is 300tab, 500tabs, 400tabs and 600tabs with lead times of 2,4,3,5 months. Which lead time is used for the next procurement?

A. The first lead time
C. The middle lead time
B. The last lead time
D. Average lead time

107. NYHA classification of heart disease

108. An established health center wants to start TB treatment at the first time in this health facility. The health center pharmacists have full data about the disease burden frequency of TB clients. Which pharmaceutical quantification method should preferably use?

A. Consumption method
C. Service expansion
**B. Morbidity method**
D. Projection

109. Drug safety margin

110. The preferred drug for chronic asthma treatment

✓ **ANS=Moderate dose of steroids + long acting beta 2 agonist**